

ABSTRACT

A method of treating heart failure is disclosed in which, without removing the damaged heart, implantation of prosthetic blood-pumping means within the natural heart sustains its function. The invention includes electrically-powered positive displacement pumps, muscle-powered pumps, and electrically-powered rotary hydrodynamic pumps sufficiently miniaturized and adopted to function within the heart. The invention also includes surgical connectors and surgical methods that permit intraventricular artificial hearts to be effectively applied.